IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Drewe et al.

Appl. No.: 09/705,840

Filed: November 6, 2000

For: Substituted-4H-Chromene and Analogs as Activators of Caspases and inducers of Apoptosis and the

Use Thereof

Confirmation No.: 8076

Art Unit: 1625

Examiner: Robinson, Binta M.

Atty. Docket: 1735.0410002/RWE/CJW

Fourth Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each document is also provided.

The numbering on this Fourth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Third, Second and First Supplemental Information Disclosure Statements filed December 12, 2002, April 25, 2002 and November 5, 2001, respectively, in connection with the above-captioned application.

The Examiner's attention is directed to the following co-pending U.S. Patent Applications, which are directed to related technical subject matter:

U.S. Patent Application No. 10/146,138, Cai et al., filed May 16, 2002 and submitted herewith as document AA2;

U.S. Patent Application No. 10/146,136, Cai et al., filed May 16, 2002 and submitted herewith as document AB2; and

U.S. Patent Application No. 10/146,139, Cai et al., filed May 16, 2002 and submitted herewith as document AS21.

The Examiner's attention is also directed to the prosecution from co-pending U.S. Patent Application No. 10/146,136, Cai et al., filed May 16, 2002 and submitted herewith as document AB2. The submitted prosecution includes Office Communications and Applicant's amended claim sets submitted in response to the Office Communications. The prosecution is cited herein as documents AT21 through AT22.

The identification of these U.S. Patent Applications, and any corresponding prosecution, is not to be construed as a waiver of secrecy as to these applications, or their corresponding prosecution, now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications, the corresponding prosecution and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Fourth Supplemental Information Disclosure Statement is being filed before the mailing date of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicants Registration No. 32,893

Robert W. Somand

Date: Munch 31, 2004

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FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

FILING DATE November 6, 2000

ART UNIT 1625

				U.S. PATE	NT DOCUMENTS			
EXAMINER INITIAL		DC	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA2	20	003/0065018 A1	04/03/2003	Cai et al.			05/16/2002
	AB2	20	003/0114485 A1	06/19/2003	Cai et al.			05/16/2002
	AC2	6,	160,010	12/12/2000	Uckun et al.			07/22/1999
	AD2	6,	221,900 B1	04/24/2001	Uckun et al.			10/04/1999
	AE2	6,	258,824 B1	07/10/2001	Yang			02/09/2000
	AF2	6,	294,575 B1	09/25/2001	Uckun et al.			10/16/2000
	AG2	6,	303,652 B1	10/16/2001	Uckun et al.			03/19/1999
•	AH2	6,	365,626 B1	04/02/2002	Uckun et al.			12/07/2000
	Al2	6,	388,092 B2	05/14/2002	Yang			04/17/2001
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	AP2	W	O 02/092076 A1	11/21/2002	WIPO			Ye No
		I	OTHER (Includ	ing Author.	Title, Date, Pertinent Pa	ges. etc.)	l	1
-	AR	<u>19</u>	Elgamal, M.H.A., 6 Accession No. 128	et al., "Synthes 3:321530, Ame	is of some novel nitrogenous rican Chemical Society (Apri	s furocoumarir il 1998)	n derivatives,"	Chem. Abs.,
	AS	<u>19</u>	Tawada, H., et al., "Synthesis of 3-ureido derivatives of coumarin and 2-quinolone as potent act CoA:cholesterol acyltransferase inhibitors," <i>Chem. Abs.</i> , Accession No. 123:339669, 1 page, Al Chemical Society (1995)					
	АТ	<u>19</u>	Meguro, K., <i>et al.</i> , No. 117:69733, 2	"Tricyclic hetel pages, America	rocyclic compounds, their pro an Chemical Society (1992)	oduction and t	use," <i>Chem. A</i>	bs., Accession
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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ATTY. DOCKET NO. 1735.0410002/RWE/CJW FIRST NAMED INVENTOR APPLICATION NO.

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EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL3		0 02/092083 A1	11/21/2002	WIPO			Yes	
	AM3	wc	0 02/092594 A1	11/21/2002	WIPO			Yes No	
	AN3	wc	03/096982 A2	11/27/2003	WIPO			Yes	
	AO3	wc	0 03/097806 A2	11/27/2003	WIPO			Yes	
	AP3	wc) 99/54286 A2	10/28/1999	WIPO			Yes	
			OTHER (Includ	ing Author,	Title, Date, Pertinent Page	s, etc.)	<u> </u>		
	AR	<u>20</u>	Al-Mousawi, S.M., et al., "Synthesis of new condensed 2-amino-4H-pyran-3-carbonitriles and aminoquinoline-3-carbonitriles," <i>Chem. Abs.</i> , Accession No. 131:199593, 2 pages, American Society (June 1999)						
	AS	<u>20</u>	naphtho[2,1-b:6.5-	I, M.A., et al., "Synthesis of 4H-naphtho[1,2-b]pyrans, benzo[h]coumarins, 4H-5-b]dipyrans 4H-naphtho[1,2-b:3,4-b']dipyrans and pyridine derivatives," Chem. Abs., 25:114568, 2 pages, American Chemical Society (1995)					
	АТ	<u>20</u>	Woods, L.L., and S No. 60:45584, 1 p.	Sterling, J., "Na age, American	ew synthesis of naphtho[1,2-b] Chemical Society (1964)	yran-2-one	es," Chem. Ab	s., Accession	
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			OTHER (Includ	lina Author.	Title, Date, Pert	inent Pages.	etc.)	<u></u>	No.	
	AR	<u>21</u>	Radwan, A.M., et al., "A new route for the synthesis of 1,2,4-triazole and 3,4-disubstituted cinnoline derivatives," <i>Chem. Abs.</i> , Accession No. 124:117193, 1 page, American Chemical Society (1995)							
	AS	<u>21</u>	Pending Non-Provisional United States Patent Application No. 10/146,139, Cai et al., filed May 16, 2002 (NOT PUBLISHED)							
	AT	21	Seaman, D.M., Office Communication for United States Patent Application No. 10/146,136, 12 pages, United States Patent and Trademark Office (mailed May 7, 2003)							
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	AR	<u>22</u>	Formand D.W. Applicantal Assessment to the Object for the Court D. C. L.A. J. J. N.							
	AS	22	Seaman, D.M., Office Communication for United States Patent Application No. 10/146,136, 17 pages, United States Patent and Trademark Office (mailed November 7, 2003)							
	AT	<u>22</u>	Esmond, R.W., Applicants' Amendments to the Claims for United States Patent Application No. 10/146,136, 10 pages, "Amendment And Reply Under 37 C.F.R. § 1.116," (filed February 4, 2004)							
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